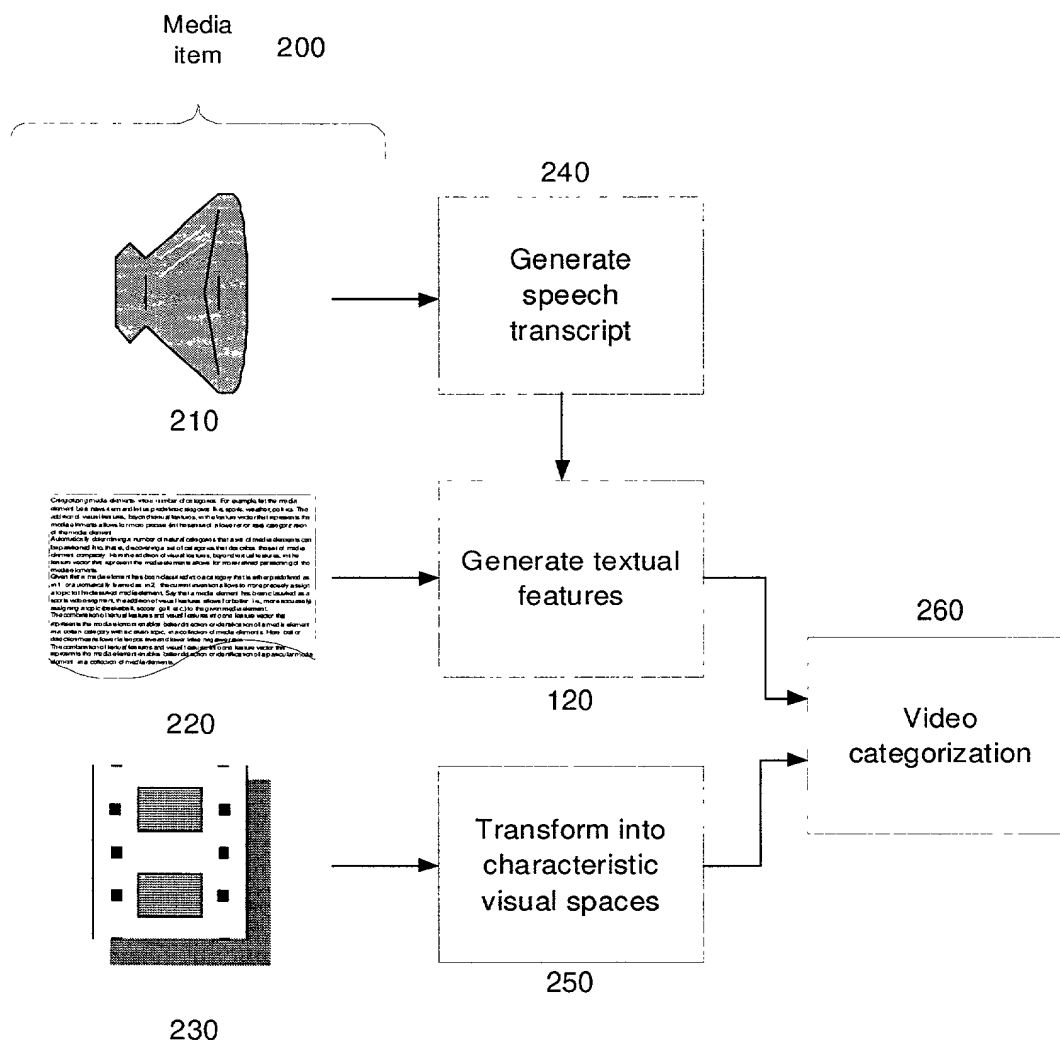


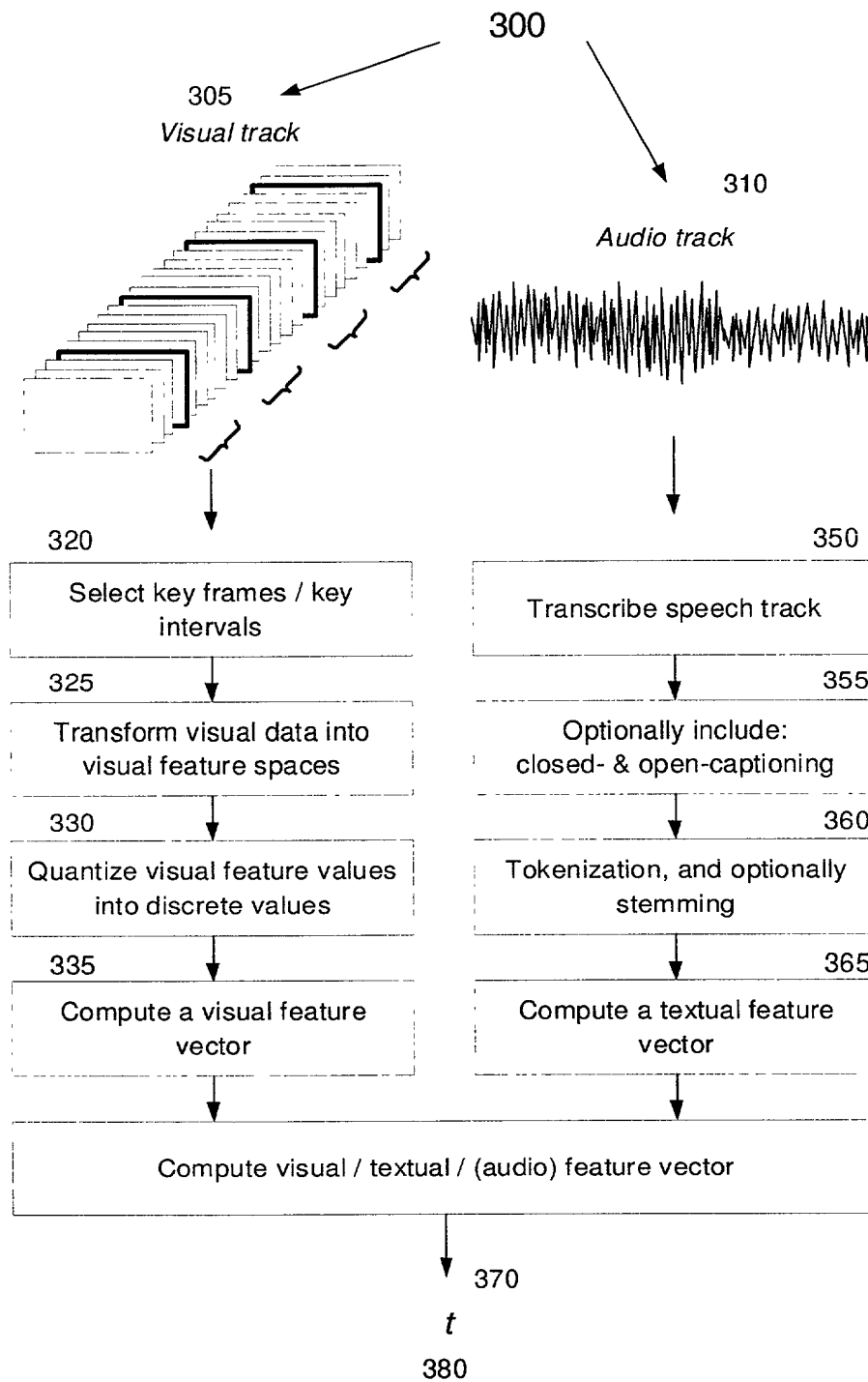
**Prior Art**

100

**Figure 1**



### Figure 2



**Figure 3**

400

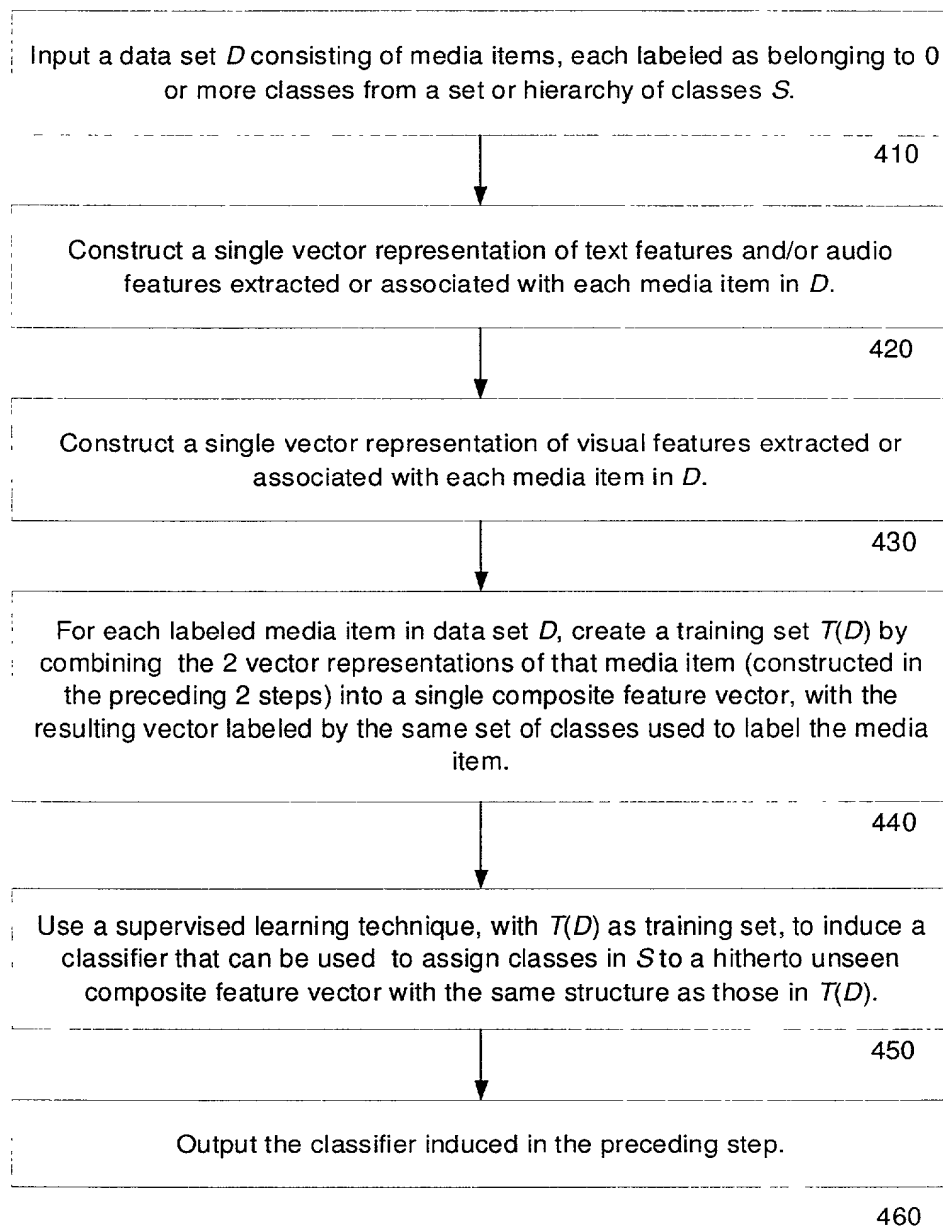


Figure 4

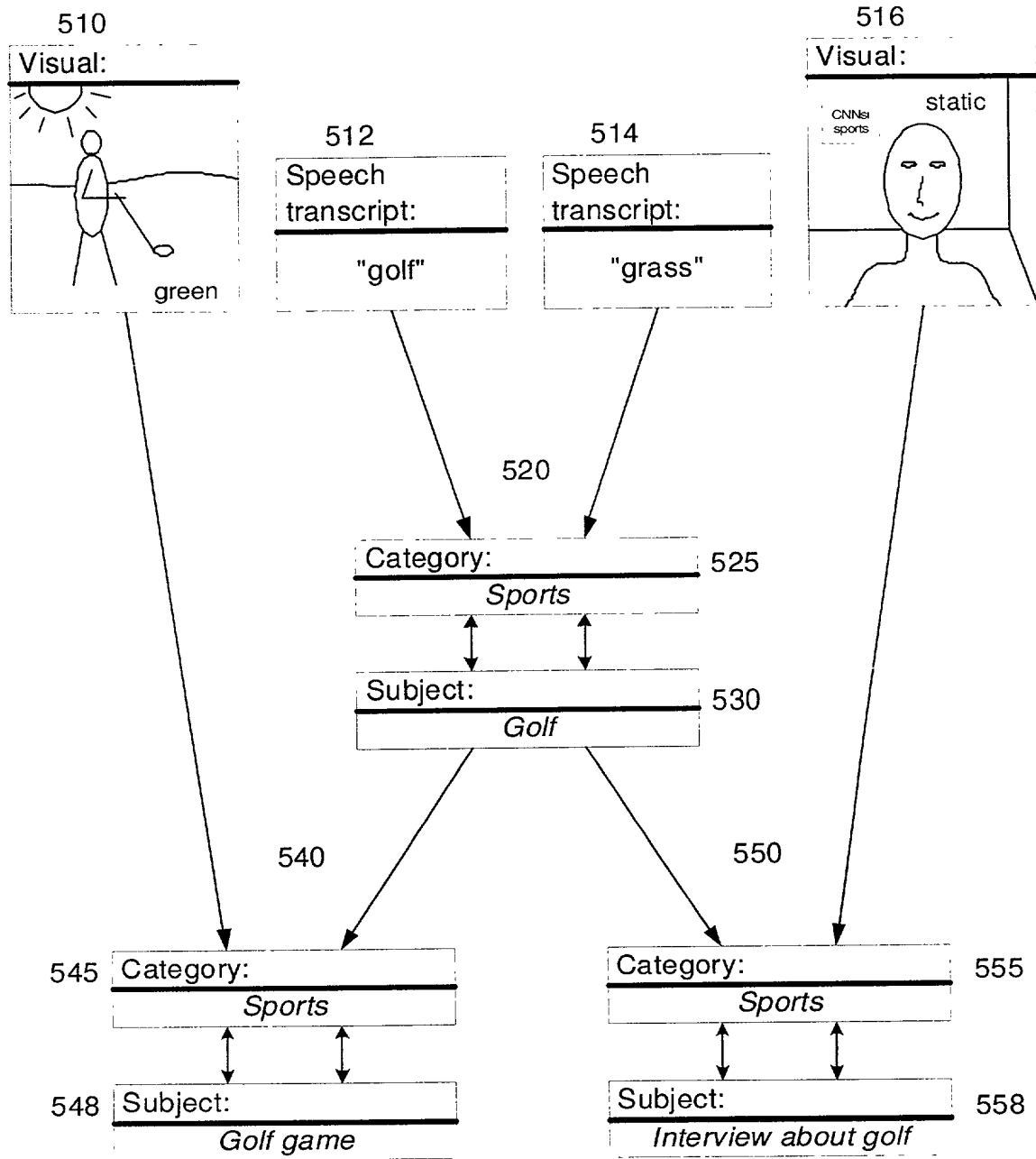
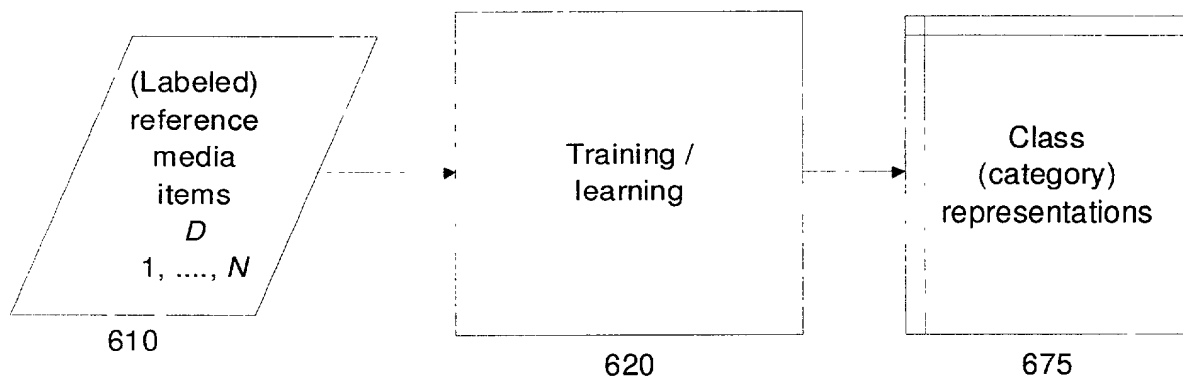
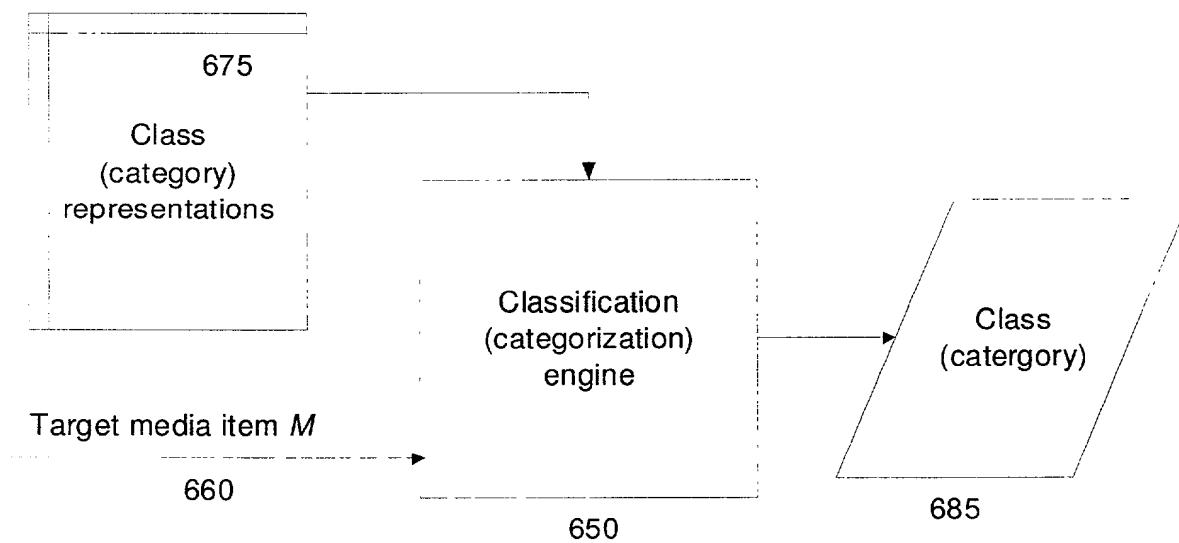


Figure 5



Training / learning phase **610**

**A**



Classification phase **615**

**B**

**Figure 6**

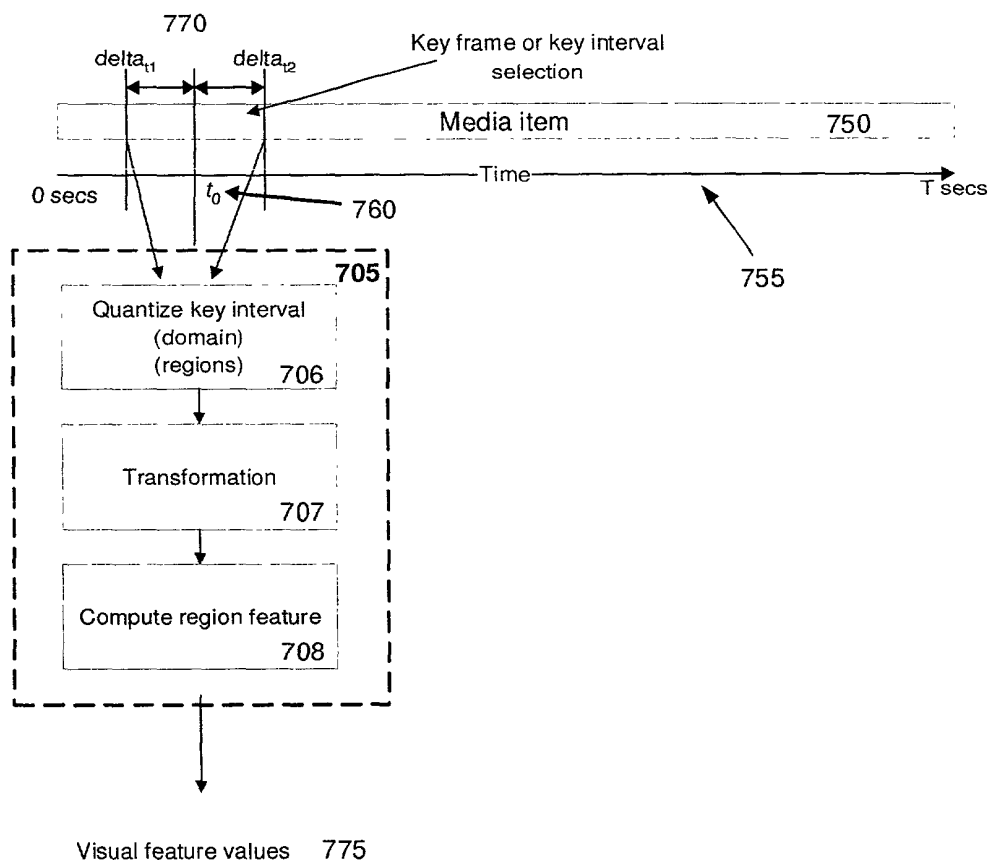
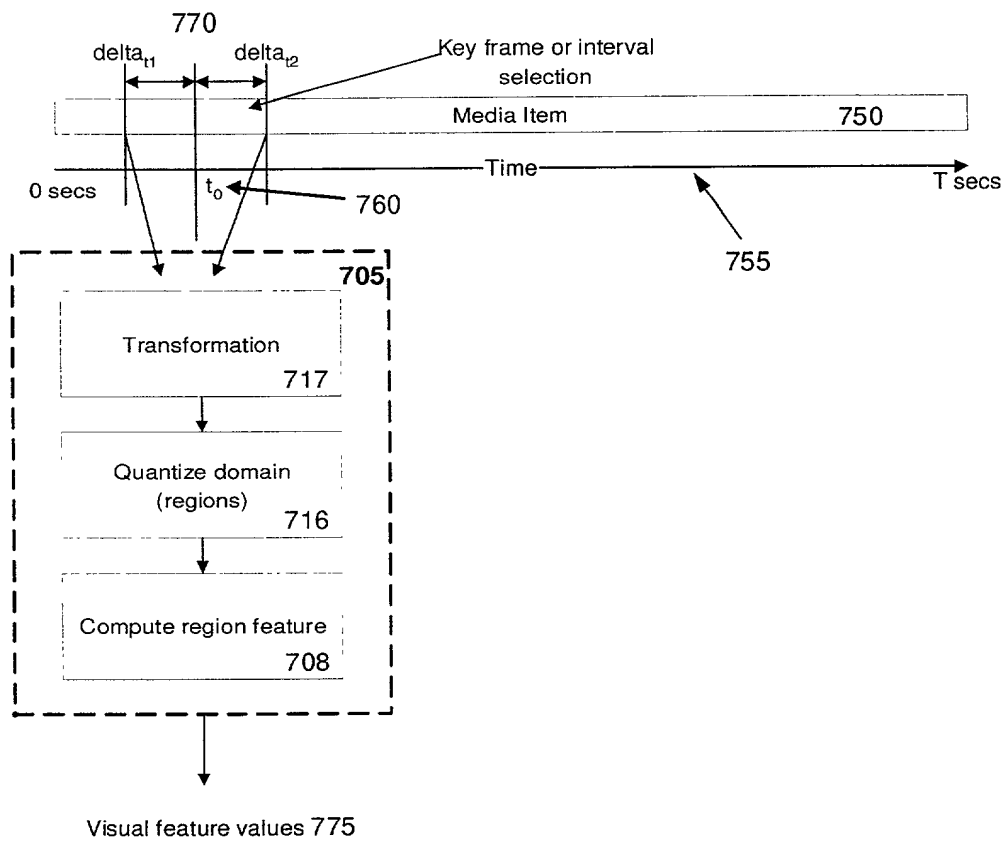
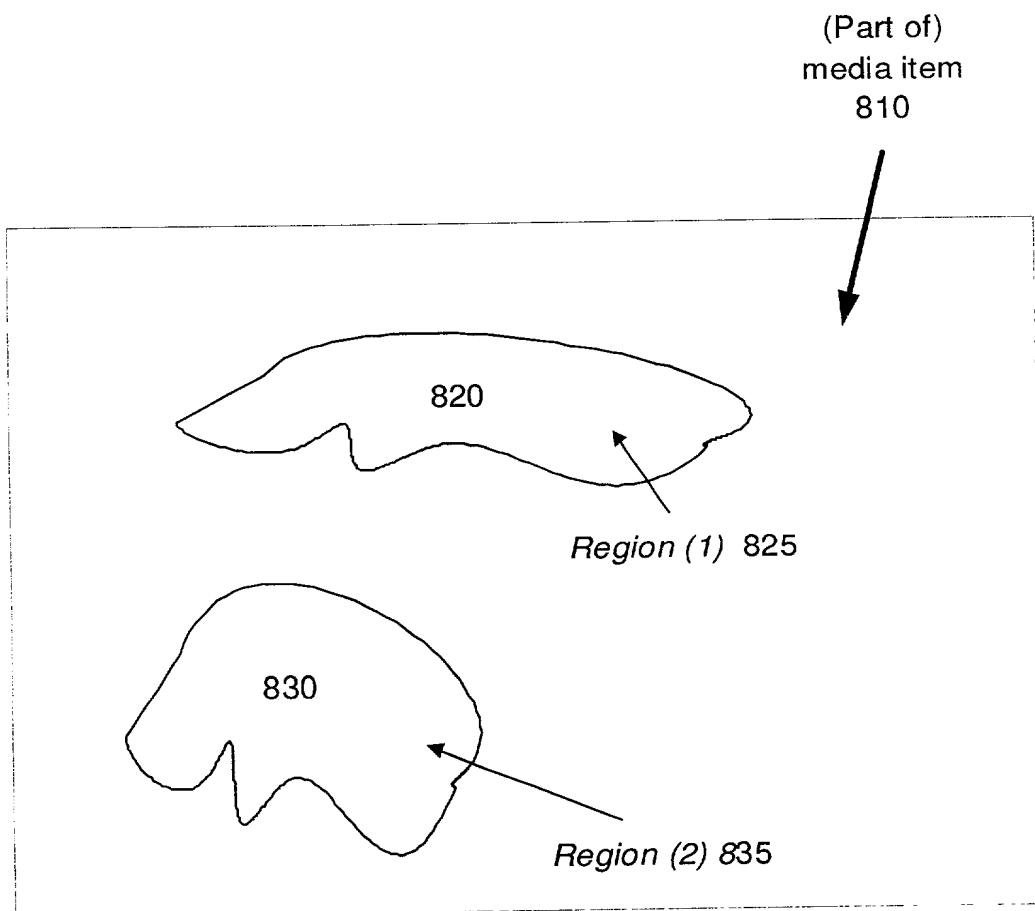


Figure 7A



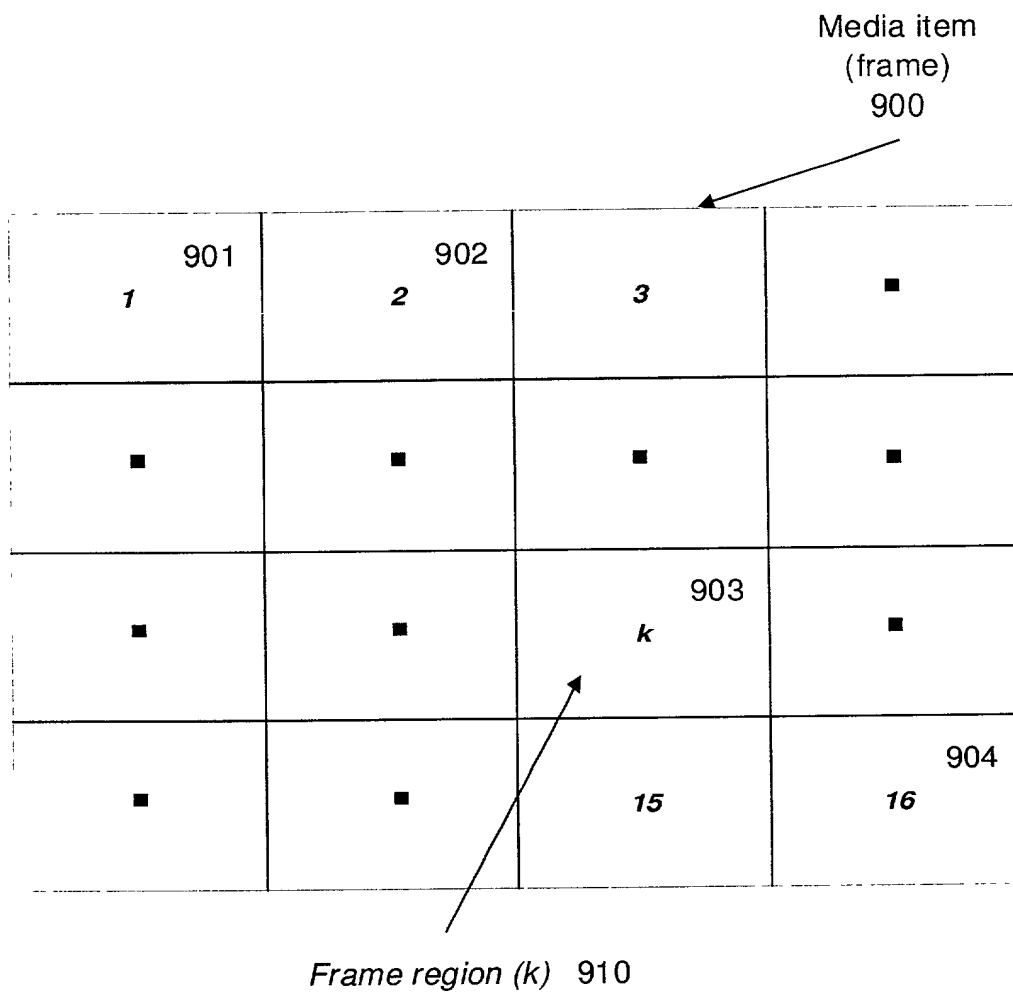
**Figure 7B**



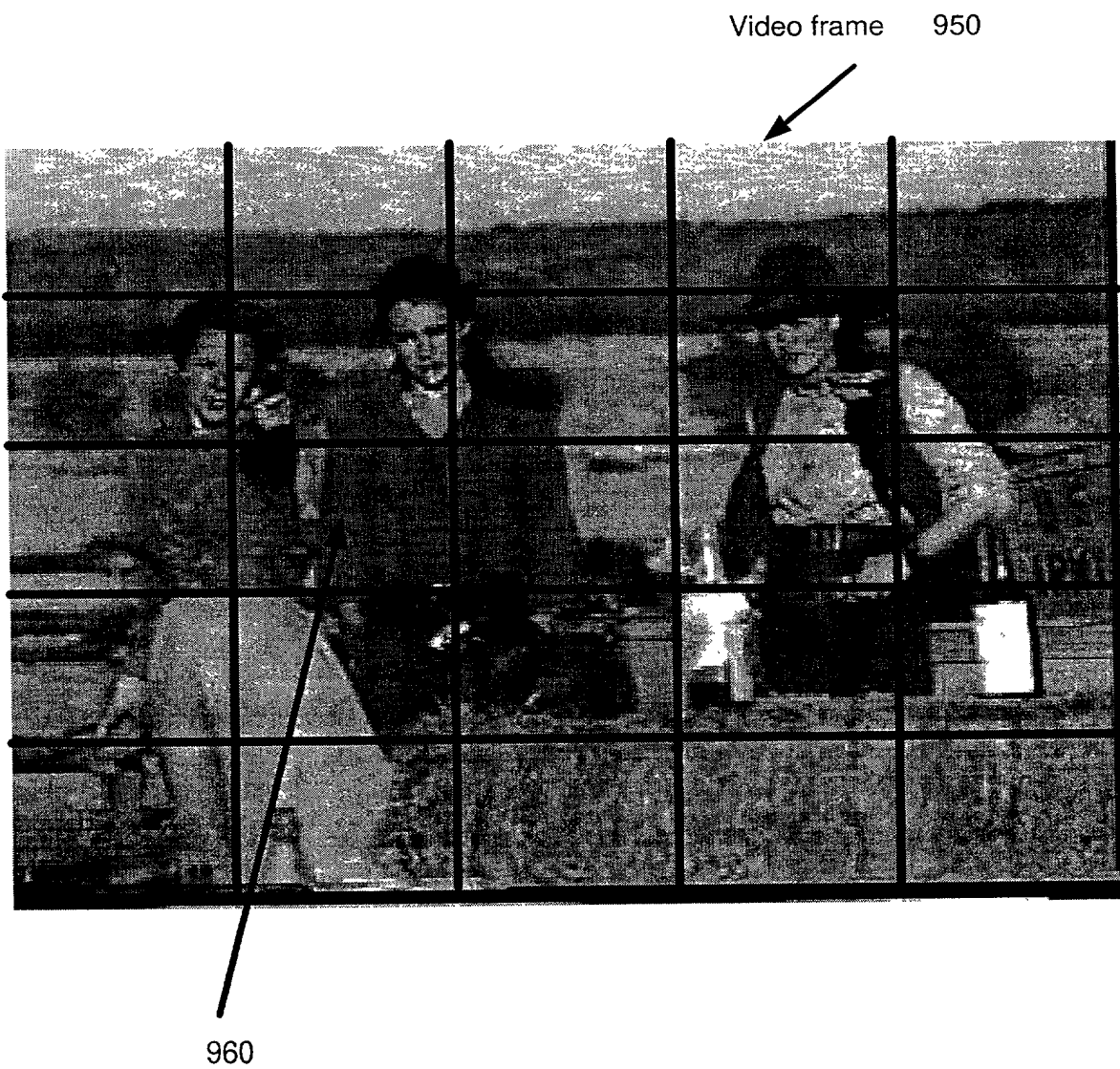


**Figure 8**

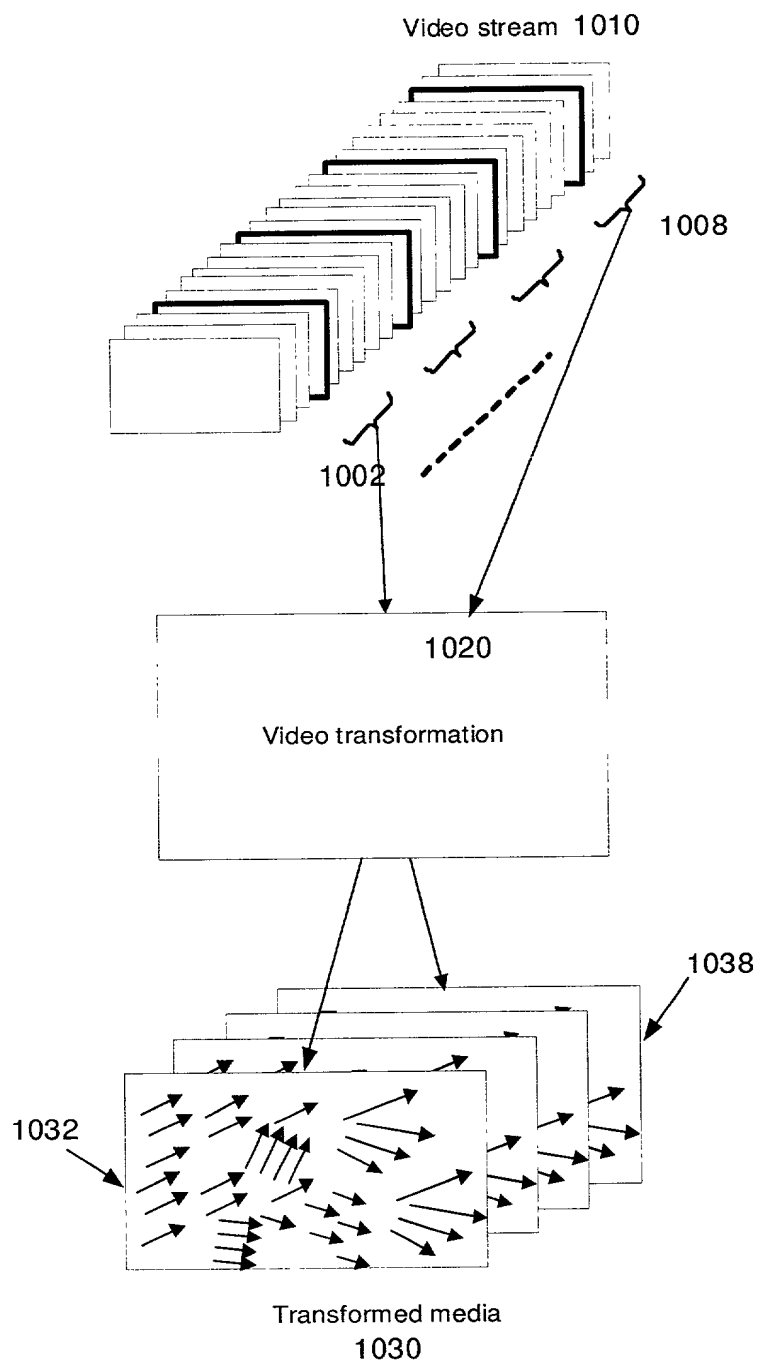
FIG. 9 is a schematic diagram of a media item (frame) 900, showing a grid of frame regions (k) 910. The grid is divided into four quadrants, each labeled with a number (1, 2, 3, 4) and a reference numeral (901, 902, 903, 904). The grid is further divided into sub-regions, with the bottom-right sub-region labeled 'k' and '15'. The top-right sub-region is labeled '3' and '903'. The bottom-left sub-region is labeled '1' and '901'. The top-left sub-region is labeled '2' and '902'. The bottom-right sub-region is labeled '16' and '904'. The grid is labeled 'Media item (frame) 900' and 'Frame region (k) 910'.



**Figure 9**



**Figure 9A**



**Figure 10**

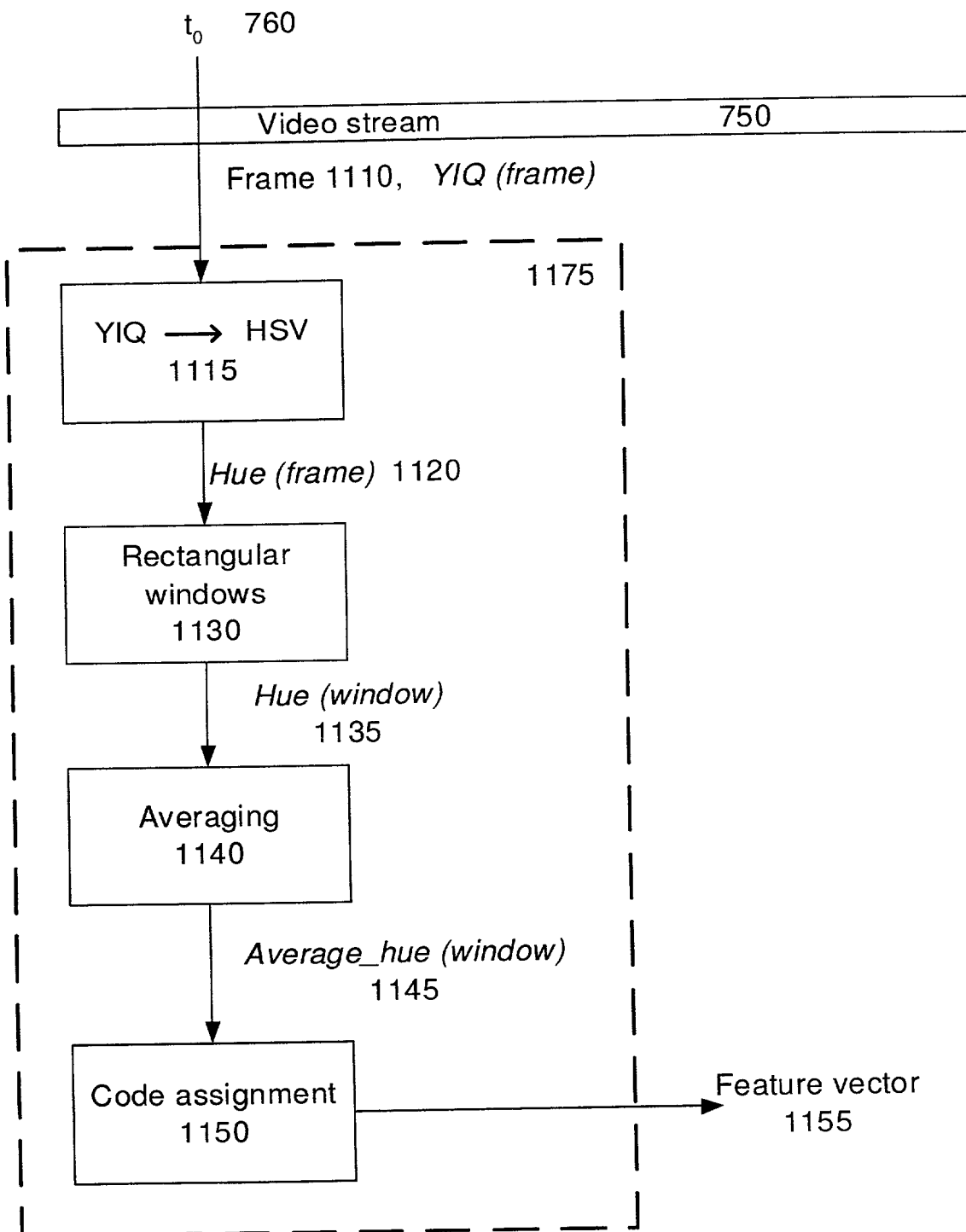
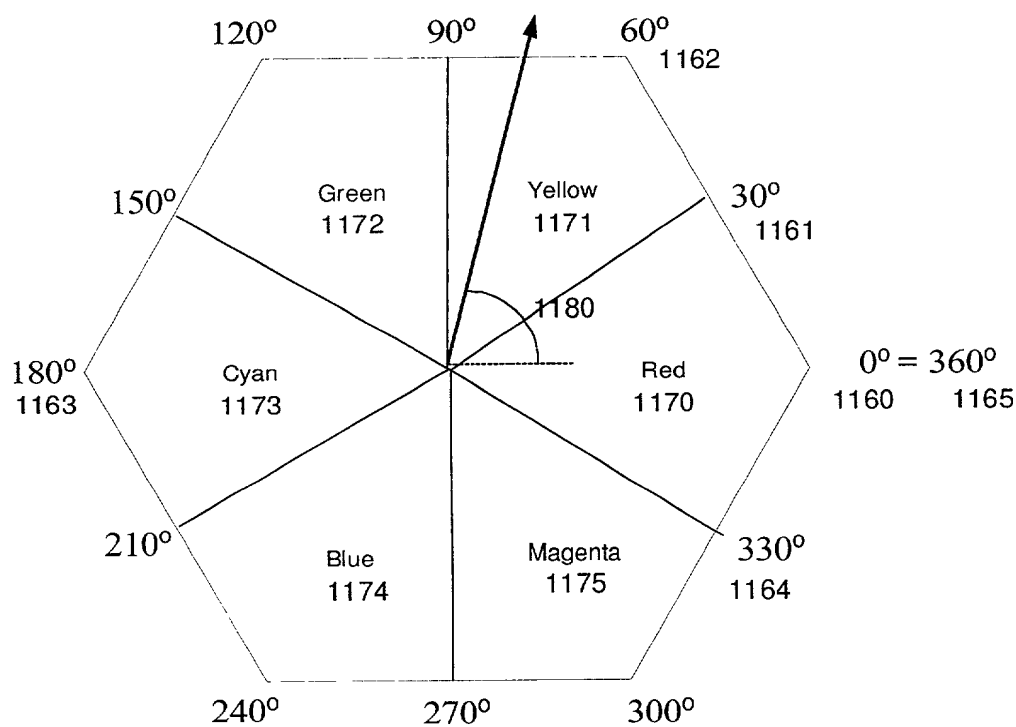


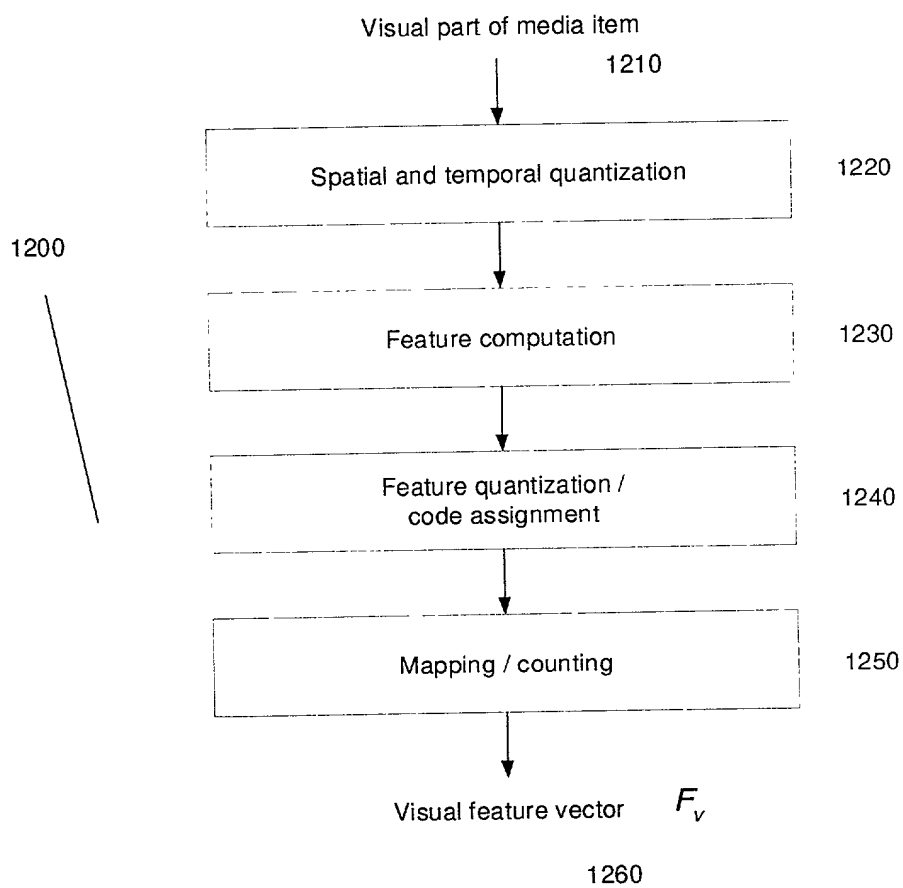
Figure 11A



# Hue quantization (1180)

<i>Color range</i>	<i>Code</i>	<i>Color</i>	
330 - 30 degrees	0	Red	(1170)
30 - 90 degrees	1	Yellow	(1171)
90 - 150 degrees	2	Green	(1172)
150 - 210 degrees	3	Cyan	(1173)
210 - 270 degrees	4	Blue	(1174)
270 - 330 degrees	5	Magenta	(1175)

**Figure 11B**



**Figure 12**

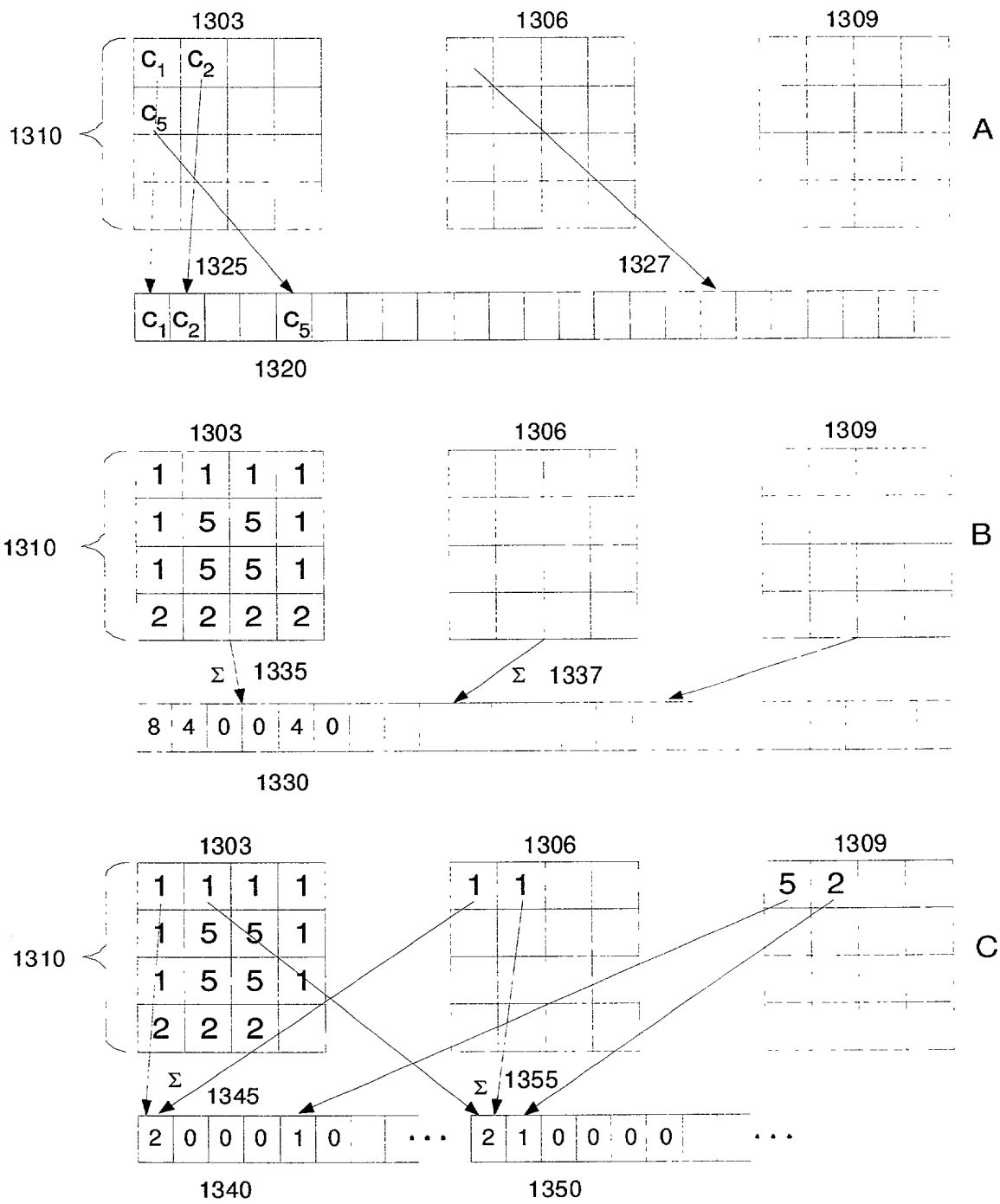


Figure 13



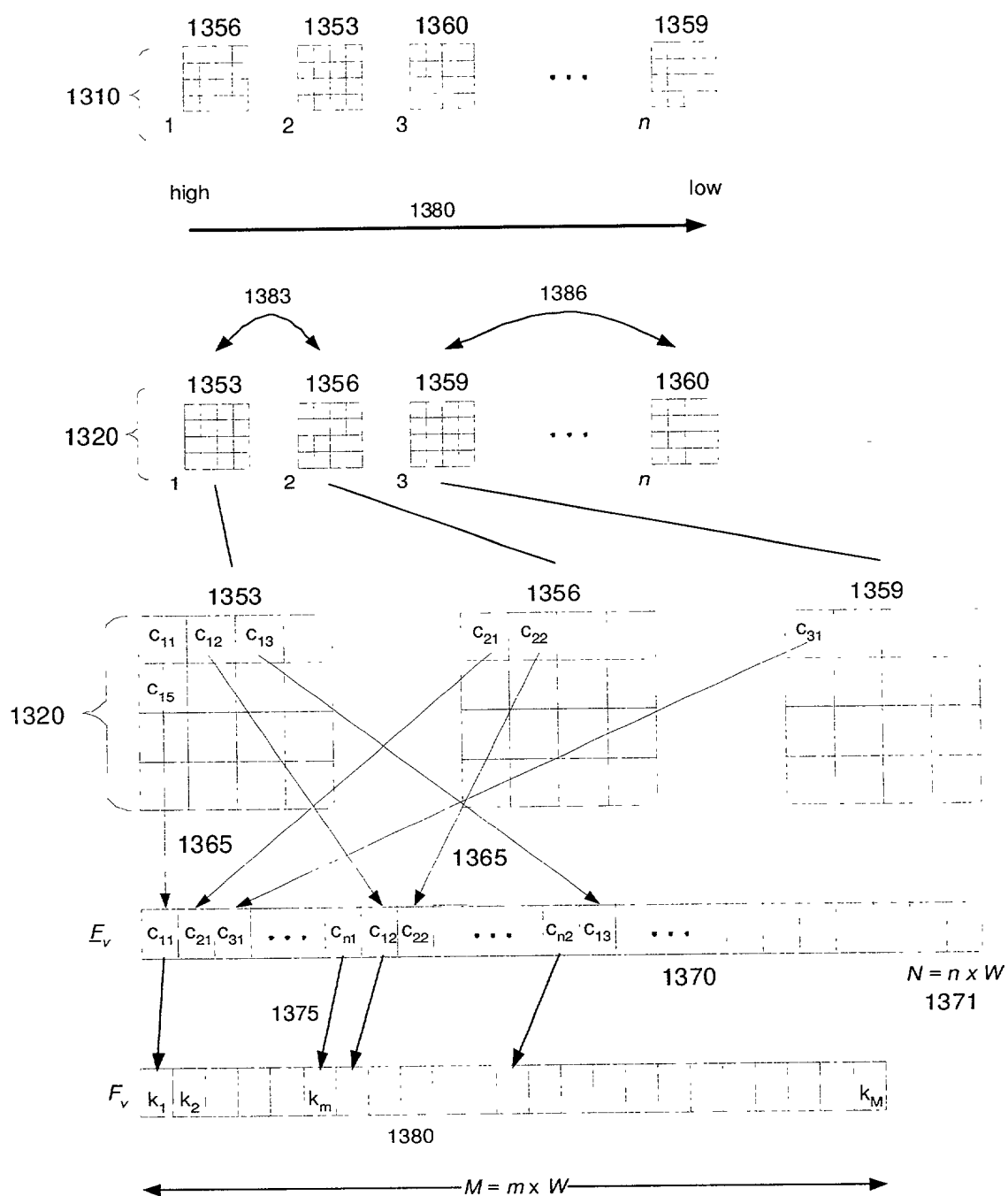


Figure 13D

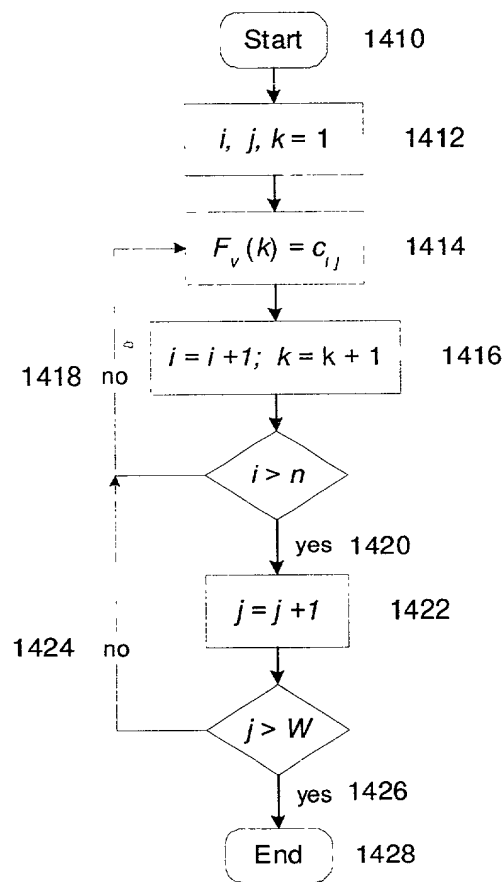
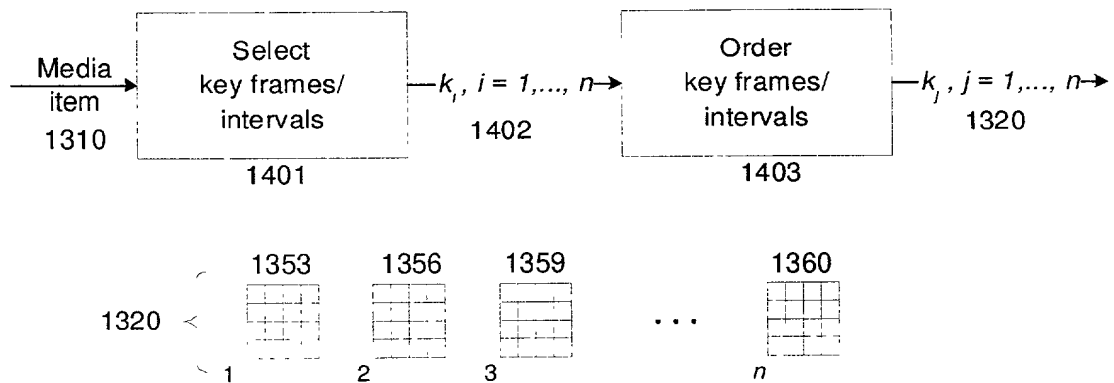


Figure 14A

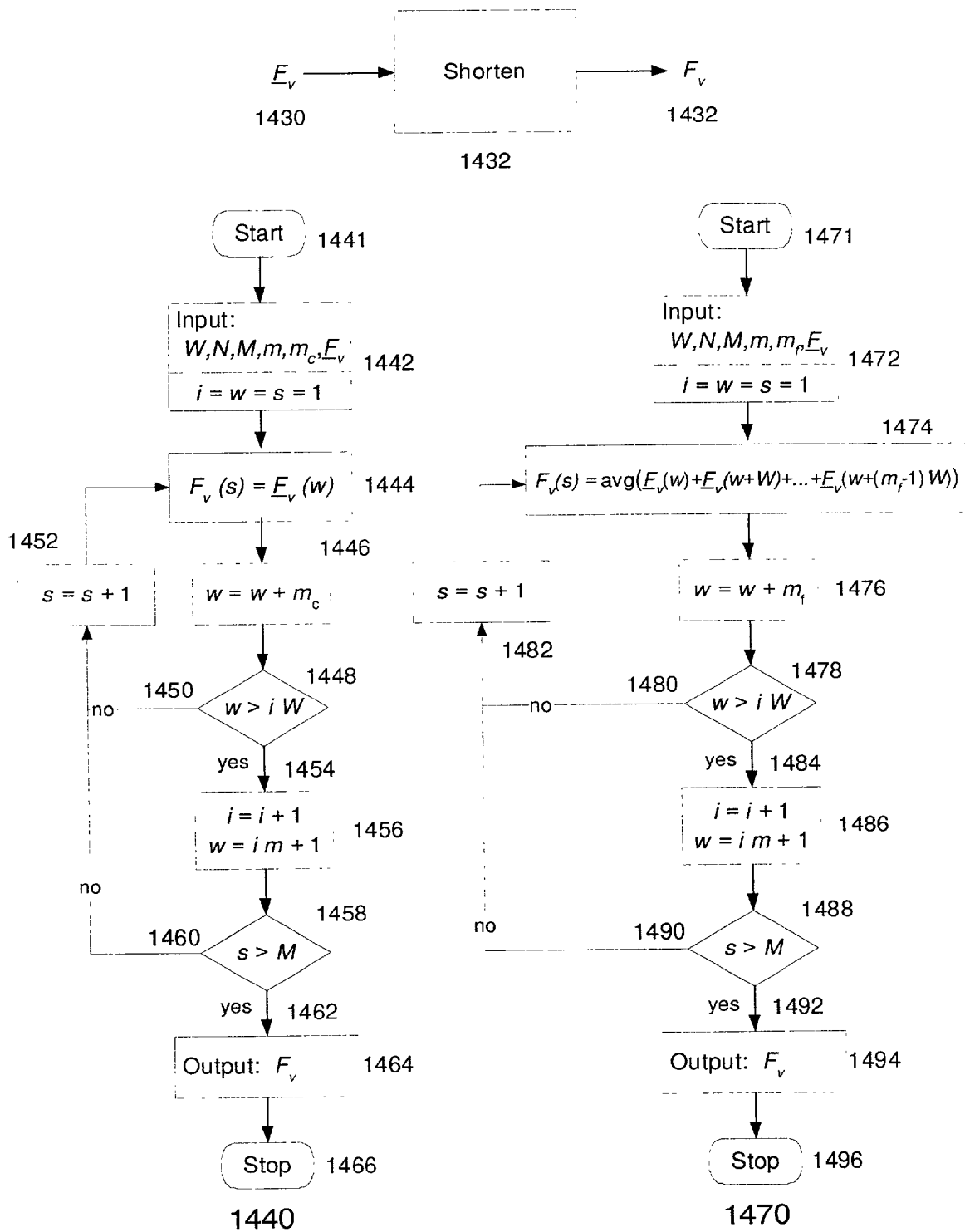
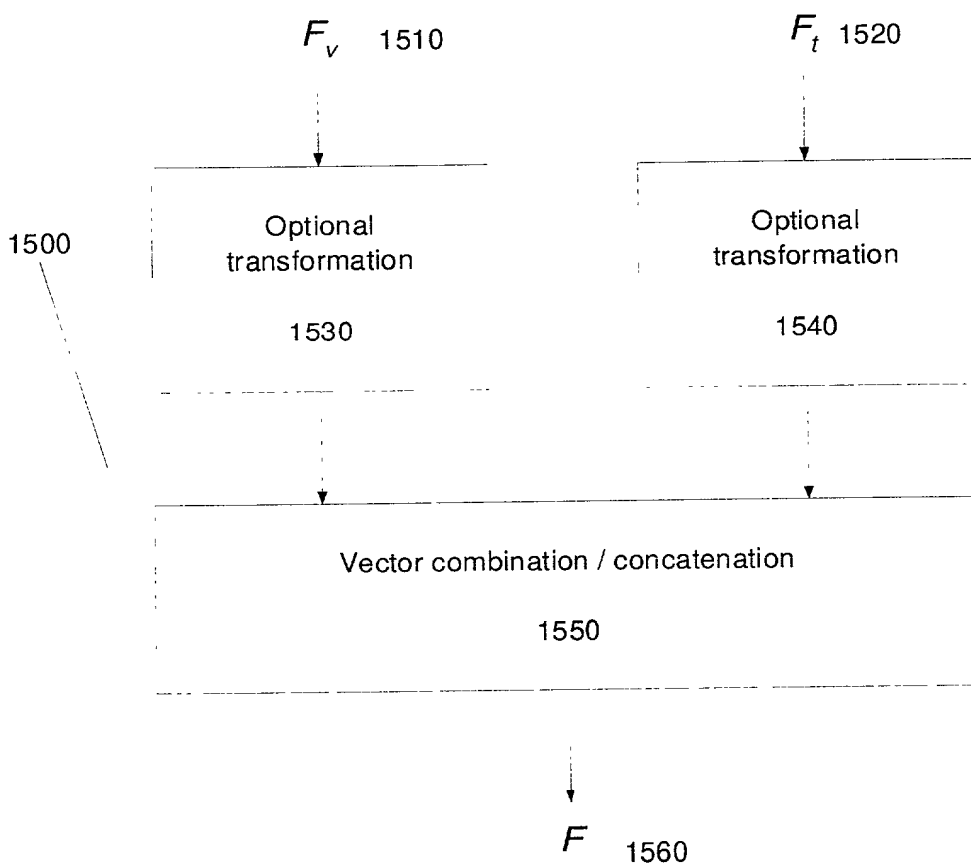
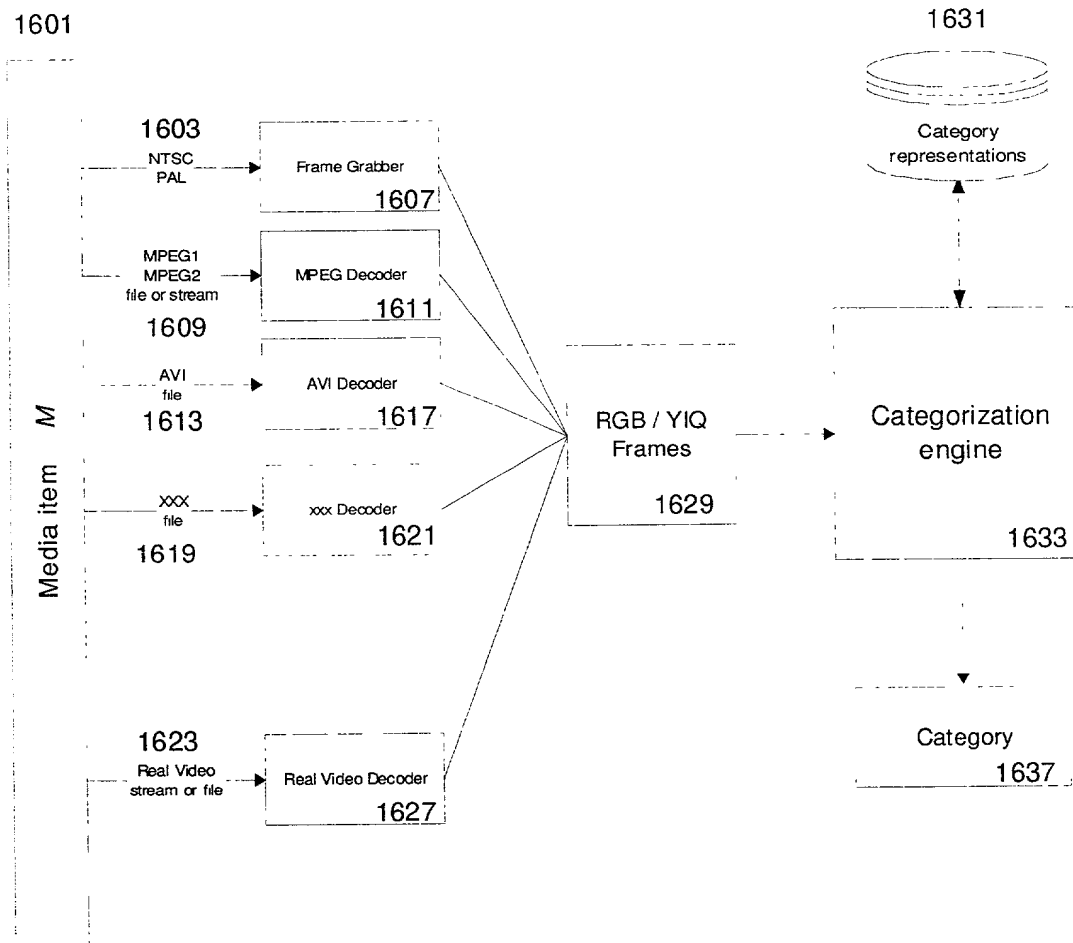


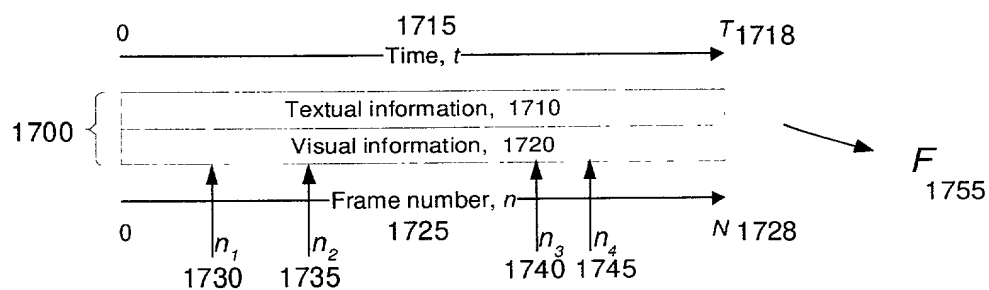
Figure 14B



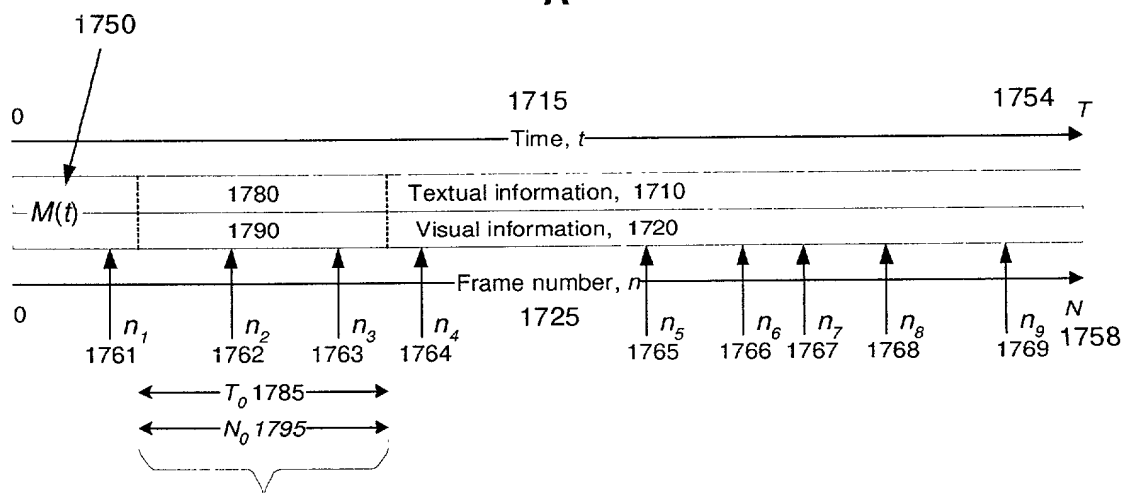
**Figure 15**



**Figure 16**



**A**



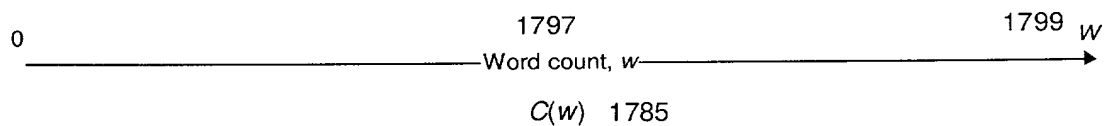
**B**

$F(n), F(t)$

1775

$C(n), C(t)$

1780



**C**

**Figure 17**

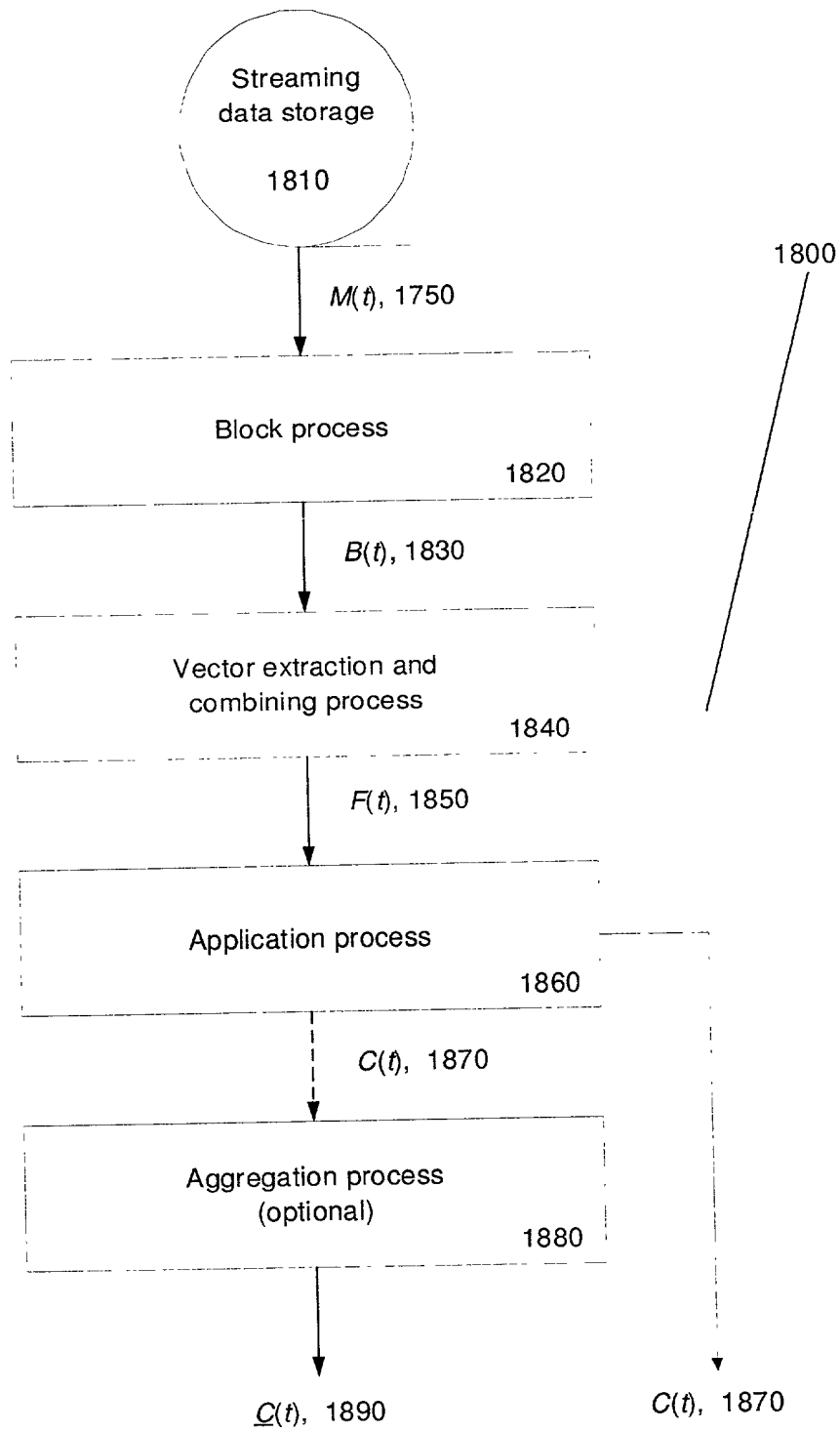
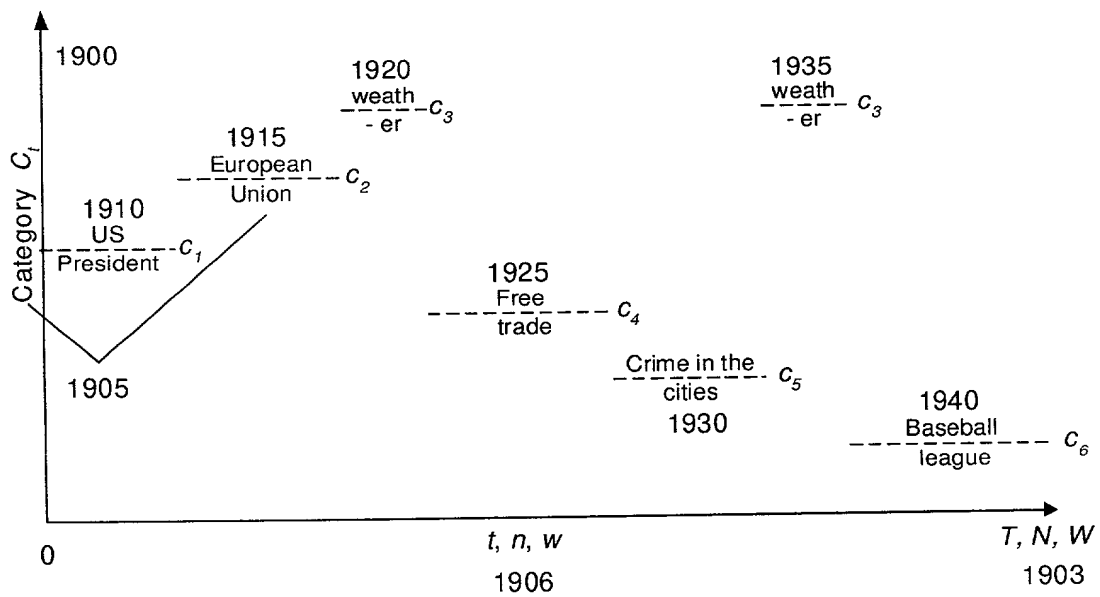
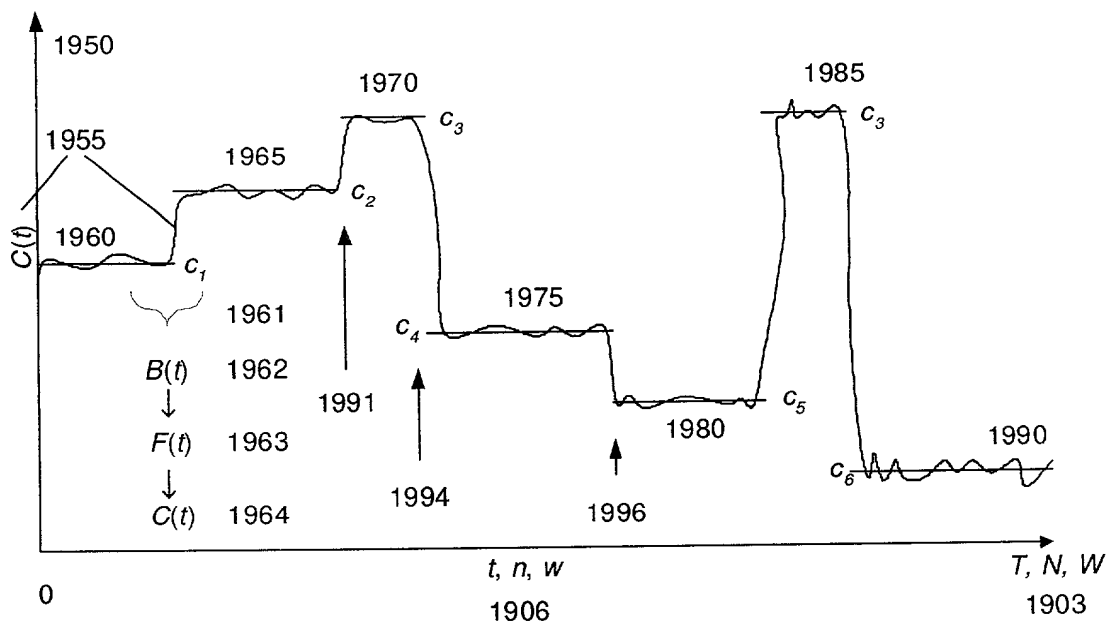


Figure 18



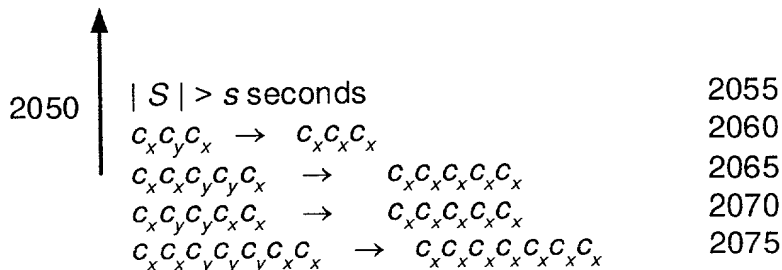
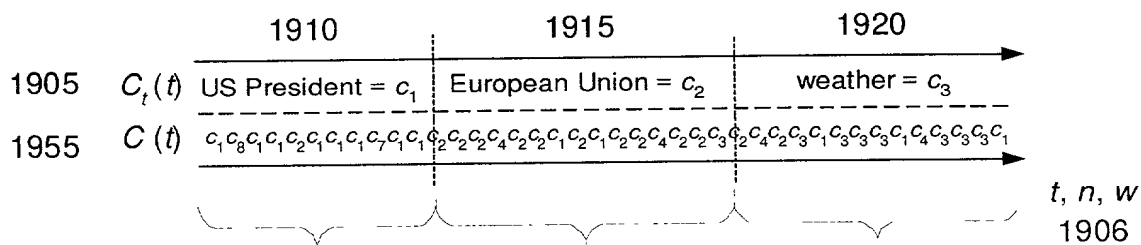
**A**



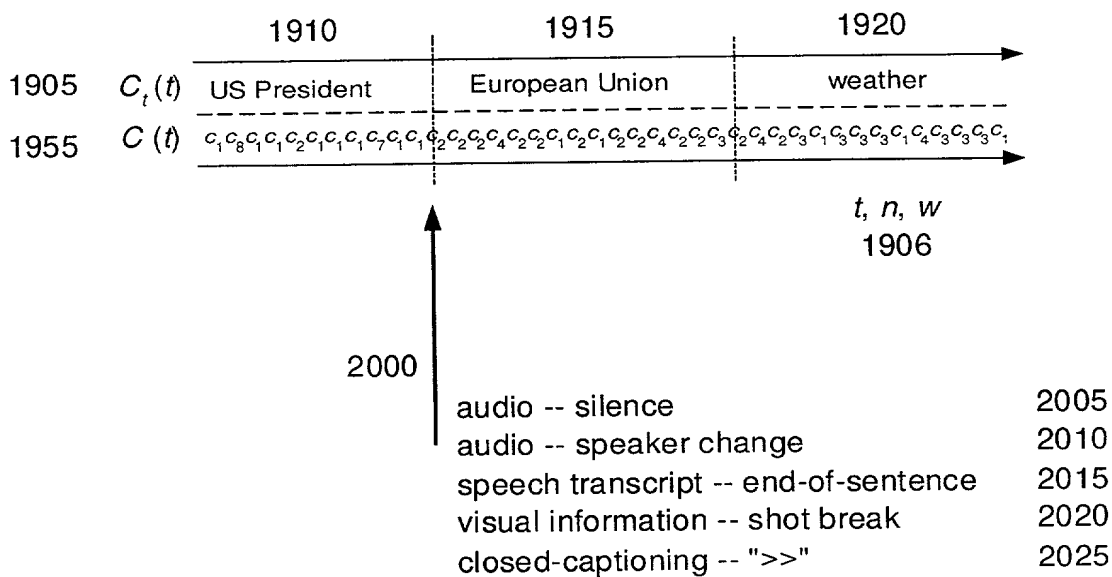
**B**

**Figure 19**





A



B

Figure 20

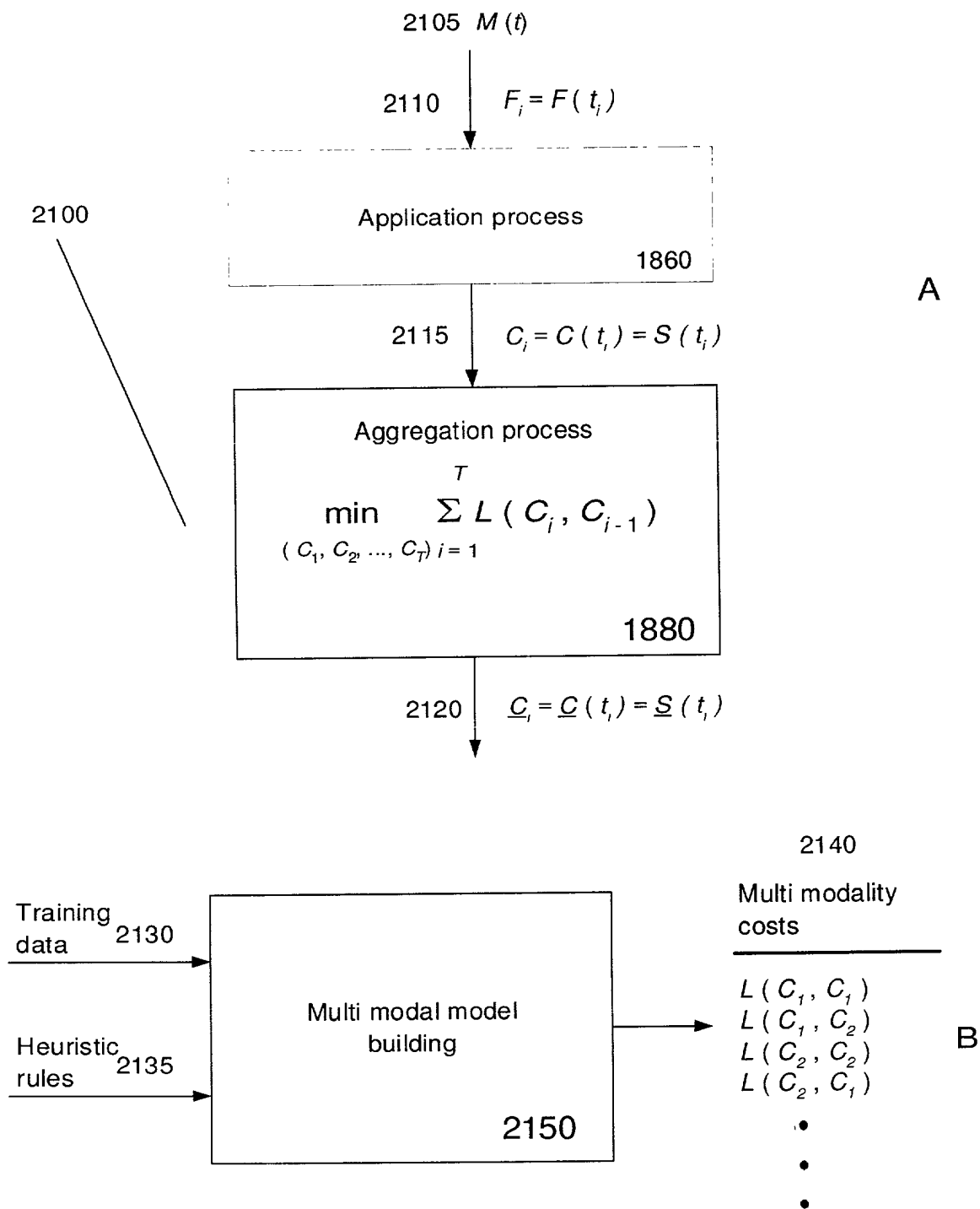
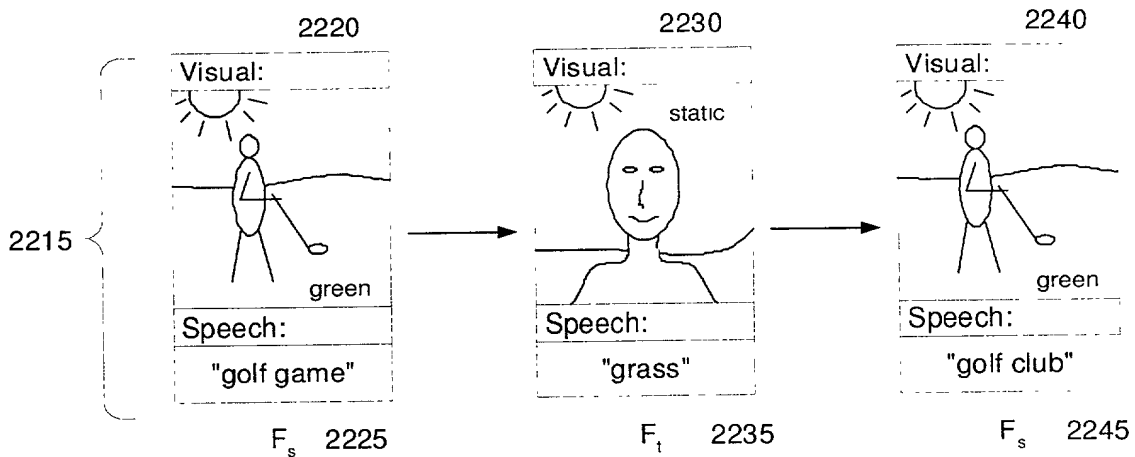


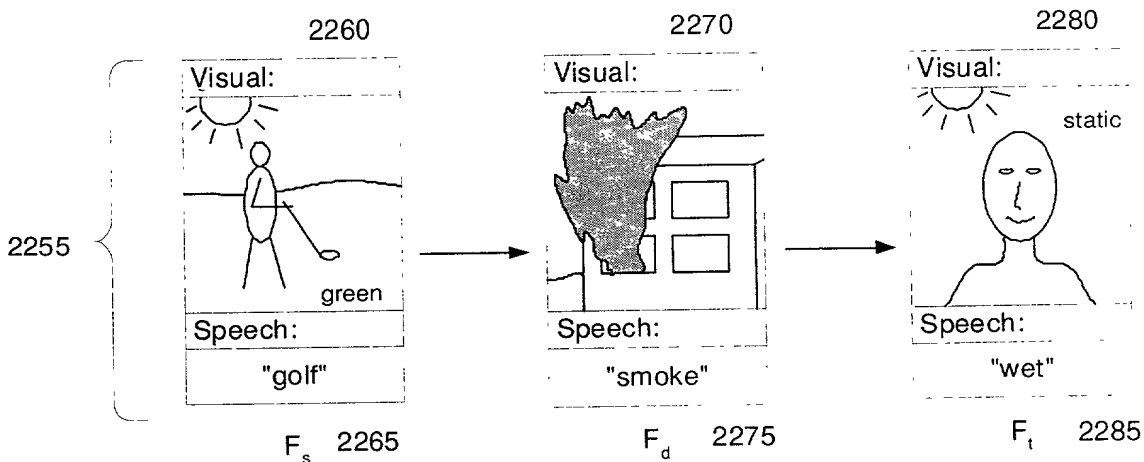
Figure 21

$F_s \rightarrow$  "sport"  
 $F_t \rightarrow$  "sport or disaster"  
 $F_d \rightarrow$  "disaster"  
 2205

$L(\text{sport, sport}) =$  small  
 $L(\text{sport, disaster}) =$  large  
 $L(\text{disaster, sport}) =$  large  
 $L(\text{disaster, disaster}) =$  small  
 2210



Interpretation:  
 sport  $\rightarrow$  sport  $\rightarrow$  sport  $\rightarrow$  sport 2250



Interpretation:  
 sport  $\rightarrow$  disaster  $\rightarrow$  disaster 2290

Figure 22